Inventor: Hildgen, et al Docket No.: 09680.0257USWO

Title: FUNCTIONALIZED POLYMERS AND THEIR BIOMEDICAL AND

PHARMACEUTICAL USES Attorney Name: Gregory A. Sebald Phone No.: (612) 336-4728 Sheet 1 of 5

WO 03/087189

Γ/CA03/00487 10/510407

1/5

POLYLACTIC ACID

$$HO = \begin{bmatrix} H_3C & O & O & O \\ O & CH_3 & M & O \\ O & CH_3 & M & O \end{bmatrix} H$$

POLYLACTIC - CO GLYCOLIC ACID PLGA

POLYCAPROLACTONE PCL

FIG. 1

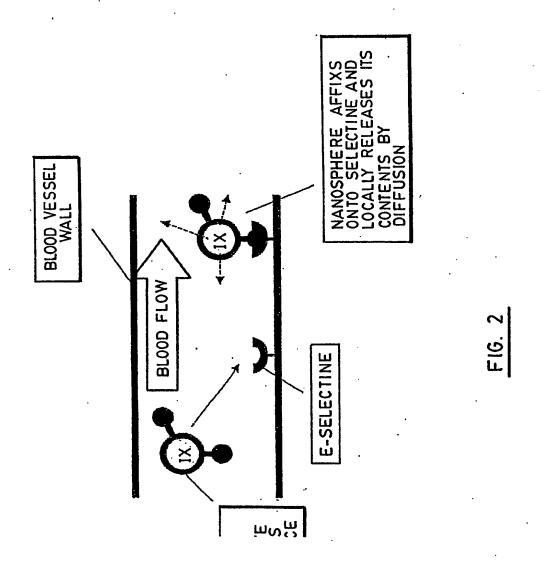
Best Available Copy

Inventor: Hildgen, et al
Docket No.: 09680.0257USWO
Title: FUNCTIONALIZED POLYMERS AND THEIR BIOMEDICAL AND PHARMACEUTICAL USES

WO 03/0871 Attorney Name: Gregory A. Sebald Phone No.: (612) 336-4728 Sheet 2 of 5

PCT/CA03/00487 10/510407

2/5

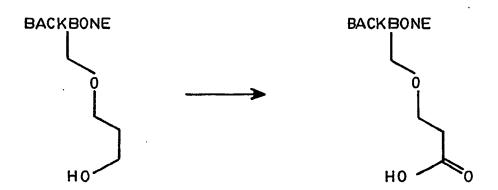


WO 03/087189

Inventor: Hildgen, et al Docket No.: 09680.0257USWO Title: FUNCTIONALIZED POLYMERS AND THEIR BIOMEDICAL AND PHARMACEUTICAL USES Attorney Name: Gregory A. Sebald Phone No.: (612) 336-4728 Sheet 3 of 5

A03/00487 10 / 510407

3 / 5



HO

FIG. 3

Best Available Copy

Inventor: Hildgen, et al
Docket No.: 09680.0257USWO
Title: FUNCTIONALIZED POLYMERS AND THEIR BIOMEDICAL AND
PHARMACEUTICAL USES
Attorney Name: Gregory A. Sebald
Phone No.: (612) 336-4728
Sheet 4 of 5

3/00487

$$HO = \begin{pmatrix} H_3C & O & \\ & & & \\$$

$$R = \begin{bmatrix} & & & \\ & & &$$

grafted polymer

FIG. 4

WO 03/087189 PH

PHARMACEUTICAL USES Attorney Name: Gregory A. Sebald Phone No.: (612) 336-4728 Sheet 5 of 5 T/CA03/00487

5 / 5

R=
$$\begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix}_{p}$$

Cross-linked polymer

FIG. 5